

DETAILED ACTION

Status of Claims

1. This action is responsive to amendment filed on September 22, 2008, where Applicant amended claims 1-4,6,8-11,13,14,16-20, and cancelled claim 15. Claims 1-4,6,8-11,13,14,16-20 remain pending.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Stanley Ference (reg 33879) on 12/11/2008.

The claims have been amended as follows:

SEE ATTACHED CLAIM SET

Allowable Subject Matter

3. Claims 1-4,6,8-11,13,16-20 are allowed.

4. The following is an examiner's statement of reasons for allowance: Applicants invention of a web page acquisition service, is found to be patentable. Prior art references found to be pertinent to Applicants disclosure, either only teach minor aspects of the invention or only teach

Art Unit: 2457

the general environment of the invention. The collective prior art, either singly or in combination, do not teach the claim limitations.

The distinguishing features of the invention are mentioned on pages 19-20 of Applicants remarks dated 9/22/2008, and pages 15-16 of Applicants remarks dated 10/31/2007. These are features reflected in the currently amended claims and are found to be novel.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to RAMY M. OSMAN whose telephone number is (571)272-4008. The examiner can normally be reached on M-F 9-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Etienne can be reached on (571) 272-4001. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2457

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Ramy M Osman/
Primary Examiner (Temp), Art Unit 2457

December 15, 2008

12-11-'08 15:26 FROM-

412-741-9292

T-828 P003/017 F-961

Atty. Docket No. JP919990315US1
(590.048)

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. **(Currently Amended)** A web page acquisition service system, said system comprising:

a web page acquisition server and a plurality of user terminals connected via a communication network;

wherein said terminals transmit to said web page acquisition server (a) user profiles comprising contact and transmission size information and (b) web page acquisition requests including acquisition conditions;

wherein, according to the web page acquisition requests, said web page acquisition server generates an integrated web page acquisition list comprising non-overlapping web page acquisition requests, said integrated web page acquisition list further comprising:

a user name field;

a time field;

a URL field; and

12-11-'08 15:26 FROM-

412-741-9292

T-828 P004/017 F-961

Atty. Docket No. JP919990315US1
(590.048)

a depth field;

wherein, in accordance with said integrated web page acquisition list ~~and at least one predetermined scheduling rule~~, said web page acquisition server ~~forms at least one predetermined scheduling rule regarding an acquisition time for at least one web page included in the integrated web page acquisition list and acquires web page sources from a web server on said communication network;~~

wherein said web page sources, acquired in accordance with said web page acquisition requests, are formed into library files ~~that~~, in accordance with said web page ~~acquisition requests~~ user profiles and transmitted to said terminals; wherein multiple web page sources for a user terminal are combined into a single library file which is stored in the web page acquisition server and is subsequently transmitted to said user terminal; is obtained and held in said web page acquisition server; and

wherein, when said web page acquisition server receives from the terminals a plurality of web page acquisition requests for a same web page source, said web page acquisition server obtains and archives, utilizing a single request to a web server according to the integrated web page acquisition list, a corresponding web page source for said plurality of requests such that the same web page source must be requested and obtained only once for the terminals, and transmits said same web page source to the terminals that transmitted the plurality of web page acquisition requests for a same web page source in the form of a library file.

2. (Cancelled)

- 3 -

Art Unit: 2457

12-11-'08 15:26 FROM-

412-741-9292

T-828 P005/017 F-961

Atty. Docket No: JP919990315US1
(590.048)

3. **(Currently Amended)** The web page acquisition service system according to claim [[2]] 1,

~~wherein said web page acquisition server performs scheduling for the acquisition of the web page sources according to said time conditions designated in said web page acquisition requests and at least one predetermined scheduling rule takes into account a~~
current amount of communication traffic carried by said communication network.

4. **(Currently Amended)** The web page acquisition service system according to claim 1, wherein, according to the at least one predetermined scheduling rule, comprises:
said web page acquisition server acquiring first acquires web page sources for which an early download time has been set first; ~~and acquiring web page sources~~ within a time period during which communication traffic volume is small.

5. **(Cancelled)**

6. **(Currently Amended)** A provider ~~tangibly~~ embodied in hardware to provide a service for the acquisition of an Internet connection, said provider comprising:

a request acceptance unit for accepting from a plurality of user terminals (a) user profiles comprising contact and transmission size information and (b) web page acquisition requests ~~that~~ including web page acquisition conditions, wherein said request acceptance unit generates an integrated web page acquisition list comprising non-overlapping web page acquisition requests ~~from the plurality of users~~, said integrated web page acquisition list further comprising:

12-11-'08 15:26 FROM-

412-741-9292

T-828 P006/017 F-961

Atty. Docket No. JP919990315US1
(590.048)

a user name field;

a time field;

a URL field; and

a depth field;

a web page acquisition/archiving unit for: forming at least one predetermined scheduling rule regarding an acquisition time for at least one web page included in said integrated web page acquisition list, obtaining web page sources from a web server and for archiving said web page sources in accordance with said integrated web page acquisition list and at least one predetermined scheduling rule; and

a transmission control unit for, in accordance with said web page acquisition conditions, transmitting said obtained web page sources to the user terminals;

wherein said transmission control unit forms into library files said web page sources, acquired in accordance with said web page acquisition requests, that, in accordance with said web page acquisition requests user profiles and transmits said library files to said user terminals; wherein multiple web page sources for a user terminal are combined into a single library file which is stored in the web server and is subsequently transmitted to said user terminal, are obtained and held in said web page acquisition/archiving unit, and transmits said library files to said user terminals;

wherein, when said web page acquisition/archiving unit receives from the user terminals a plurality of web page acquisition requests for a same web page source, said

- 5 -

12-11-'08 15:26 FROM-

412-741-9292

T-828 P007/017 F-961

Atty. Docket No. JP919990315US1
(590.048)

web page acquisition/archiving unit obtains and archives, utilizing a single request to a web server according to the integrated list, a corresponding web page source for said plurality of requests such that the same web page source must be requested and obtained only once for the plurality of users terminals, and transmits said same web page source to said user terminals in the form of a library file.

7. (Cancelled)

8. (Previously Presented) The provider according to claim 6, wherein when a limitation is placed on the size of a data file that a user terminal can receive as a single transmission, said transmission control unit divides into segments having an appropriate size for said user terminal said web page source that is held in said web page acquisition/archiving unit and forms said segments into library files.

9. (Previously Presented) The provider according to claim 6, wherein said transmission control unit changes a link for said web page source held by said web page acquisition/archiving unit from an absolute link based on a URL of a web page source into a relative link.

10. (Currently Amended) A web page acquisition method employed by a web page acquisition server provided on a communication network, said method comprising the steps of:

accepting from a plurality of user terminals (a) user profiles including contact and transmission size information and (a) web page acquisition requests including web page acquisition conditions;

12-11-'08 15:26 FROM-

412-741-9292

T-828 P008/017 F-961

Atty. Docket No. JP919990315US1
(590.048)

generating an integrated web page acquisition list comprising non-overlapping web page acquisition requests from the terminals, the integrated web page acquisition list further comprising:

a user name field;

a time field;

a URL field; and

a depth field;

employing said integrated list ~~and to form~~ at least one predetermined scheduling rule regarding an acquisition time for at least one web page included in the integrated web page acquisition list ~~to prepare a schedule~~ for the acquisition of web page sources;

acquiring across said communication network in accordance with said ~~schedule~~ at least one predetermined scheduling rule said web page sources from a web server and archiving said web page sources; and

transmitting said web page sources to said terminals in accordance with said web page acquisition conditions included in said web page acquisition requests;

wherein said transmitting includes forming said web page sources, acquired in accordance with said web page acquisition requests, into library files ~~that~~, in accordance with said ~~web page acquisition requests~~ user profiles, ~~are obtained and held in said web page acquisition server~~, and transmitting said library files to said terminals; wherein

12-11-'08 15:26 FROM-

412-741-9292

T-828 P009/017 F-961

Atty. Docket No. JP919990315US1
(590.048)

multiple web page sources for a user terminal are combined into a single library file
which is stored in the web server and is subsequently transmitted to said user terminal:

wherein, when said web page acquisition server receives from the terminals a plurality of web page acquisition requests for a same web page source, said web page acquisition server obtains and archives, utilizing a single request to a web server and according to the integrated list, a corresponding web page source for said plurality of requests such that the same web page source must be requested and obtained only once for the terminals, and transmits said same web page source to said terminals in the form of a library file.

11. **(Currently Amended)** The web page acquisition method according to claim 10, wherein said at least one predetermined scheduling rule takes into account a current amount of communication traffic carried by said communication network ~~step of preparing said schedule includes a step of:~~

~~determining, in accordance with a time conditions that are included in said web page acquisition requests, and while taking into account a current amount equivalent to a volume of the communication traffic across said communication network, the time at which to acquire said web page sources designated in said web page acquisition requests, whereby the load imposed on said web page acquisition server is reduced.~~

12. **(Cancelled)**

13. **(Currently Amended)** A web page acquisition method, employed by an information terminal device connected to the Internet, comprising the steps of:

12-11-'08 15:26 FROM-

412-741-9292

T-828 P010/017 F-961

Atty. Docket No. JP919990315US1
(590.048)

~~receiving transmitting~~, web page acquisition requests in which (a) web page acquisition conditions are designated and (b) user profiles comprising contact and transmission size information to said information terminal device;

generating an integrated web page acquisition list comprising non-overlapping web page acquisition requests from a plurality of users, the integrated web page acquisition list further comprising:

a user name field;

a time field;

a URL field; and

a depth field;

issuing web page transmission requests based on ~~time conditions that are included in said web page acquisition conditions~~ and at least one predetermined scheduling rule regarding an acquisition time for at least one web page included in the integrated web page acquisition list; and

receiving web page sources ~~that, in accordance with said at least one predetermined scheduling rule web page transmission requests, are transmitted and that were acquired and transmitted under conditions corresponding to those included in said web page acquisition conditions;~~

12-11-'08 15:27 FROM-

412-741-9292

T-828 P011/017 F-961

Atty. Docket No. JP919990315US1
(590.048)

wherein said web page sources, acquired in accordance with said web page acquisition requests, are formed into library files ~~that~~, in accordance with said user profiles ~~web page transmission requests, are and~~ transmitted to said ~~information terminal device~~ plurality of users; wherein multiple web page sources for at least one of the plurality of users are combined into a single library file which is stored in said information terminal device and is subsequently transmitted to said at least one of the plurality of users;

wherein, when said information terminal device receives from the plurality of users a plurality of web page acquisition requests for a same web page source, said information terminal device obtains and archives, utilizing a single request to a web server and according to the integrated list, a corresponding web page source for said plurality of requests such that the same web page source must be requested and obtained only once for the plurality of users, and transmits said same web page source to said plurality of users in the form of a library file.

14. (Cancelled)

15. (Cancelled)

16. (Currently Amended) A storage medium on which computer input means can store a computer-readable program that permits said computer to perform:

a process for accepting, from a plurality of users, (a) user profiles comprising contact and transmission size information and (b) web page acquisition requests including web page acquisition conditions;

12-11-'08 15:27 FROM-

412-741-9292

T-828 P012/017 F-961

Atty. Docket No. JP919990315US1
(590.048)

a process for generating an integrated web page acquisition list comprising non-overlapping web page acquisition requests from the plurality of users, the integrated web page acquisition list further comprising:

a user name field;

a time field;

a URL field; and

a depth field;

a process for ~~employing said integrated list and~~ forming at least one predetermined scheduling rule regarding an acquisition time for at least one web page included in the integrated web page acquisition list ~~to prepare a schedule~~ for the acquisition of web page sources;

a process for acquiring, across said communication network in accordance with ~~said schedule at least one predetermined scheduling rule~~, said web page sources from a web server, and archiving said web page sources; and

a process for transmitting said web page sources to said users in accordance with said web page acquisition conditions included in said web page acquisition requests;

wherein said process for transmitting includes forming web page sources, acquired in accordance with said web page acquisition requests, into library files ~~that~~, in accordance with said user profiles ~~web page acquisition requests, are transmitted and~~

12-11-'08 15:27 FROM-

412-741-9292

T-828 P013/017 F-961

Atty. Docket No. JP919990315US1
(590.048)

transmitting said library files to said plurality of users; wherein multiple web page sources for at least one of the plurality of users are combined into a single library file which is stored in a server and is subsequently transmitted to said at least one of the plurality of users;

wherein, when a plurality of web page acquisition requests for a same web page source is received from the plurality of users, a single request to a web server is utilized according to the integrated list for obtaining a corresponding web page source for said plurality of requests such that the same web page source must be requested and obtained only once for the plurality of users, and said same web page source is transmitted to said plurality of users in the form of a library file.

17. (Currently Amended) A program transmission apparatus comprising:

storage means for storing a computer-readable program that permits a computer to perform:

a process for accepting, from a plurality of users, (a) user profiles comprising contact and transmission size information and (b) web page acquisition requests including web page acquisition conditions;

a process for generating an integrated web page acquisition list comprising non-overlapping web page acquisition requests from the plurality of users, said integrated web page acquisition list further comprising:

a user name field;

12-11-'08 15:27 FROM-

412-741-9292

T-828 P014/017 F-961

Atty. Docket No. JP919990315US1
(590.048)

a time field;

a URL field; and

a depth field;

a process for employing ~~said integrated list~~ and at least one predetermined scheduling rule ~~to prepare a schedule regarding an acquisition time for at least one web page included in the integrated web page acquisition list~~ for the acquisition of web page sources,

a process for acquiring, across said communication network in accordance with said ~~schedule~~ at least one predetermined scheduling rule, said web page sources from a web server, and archiving said web page sources, and

a process for transmitting said web page sources to said users in accordance with said web page acquisition conditions included in said web page acquisition requests;

wherein said process for transmitting includes forming said web page sources, acquired in accordance with said web page acquisition requests, into a library files ~~that, in accordance with said web page acquisition requests~~ user profiles, are transmitted and transmitting said library files to said plurality of users; wherein multiple web page sources for at least one of the plurality of users are combined into a single library file which is stored in the storage device and is subsequently transmitted to said at least one of the plurality of users; and

12-11-'08 15:27 FROM-

412-741-9292

T-828 P015/017 F-961

Atty. Docket No. JP919990315US1
(590.048)

transmission means for reading said program from said storage means and for
transmitting said program;

wherein, when a plurality of web page acquisition requests for a same web page
source is received from the plurality of users, a single request to a web server is utilized
according to the integrated list for obtaining a corresponding web page source for said
plurality of requests such that the same web page source must be requested and obtained
only once for the plurality of users, and said same web page source is transmitted to said
plurality of users in the form of a library file.

18. (Cancelled)

19. (Currently Amended) A program storage device readable by machine,
~~tangibly~~ embodying a program of instructions executable by the machine to perform a
method for web page acquisition, said method comprising the steps of:

transmitting, to a provider, (a) user profiles comprising contact and transmission
size information and (b) web page acquisition requests in which web page acquisition
conditions are designated;

generating an integrated web page acquisition list comprising non-overlapping
web page acquisition requests from a plurality of users, said integrated web page
acquisition list further comprising:

a user name field;

a time field;

12-11-'08 15:27 FROM-

412-741-9292

T-828 P016/017 F-961

Atty. Docket No. JP919990315US1
(590.048)

a URL field; and

a depth field;

issuing web page transmission requests to said provider a web server based on a ~~time condition that is included in said web page acquisition conditions~~ and at least one predetermined scheduling rule regarding an acquisition time for at least one web page included in said integrated web page acquisition list; and

receiving web page sources that, in accordance with said web page transmission requests, ~~are transmitted by said provider and that were acquired under conditions corresponding to those included in said web page acquisition conditions to the plurality of users;~~

wherein said web page sources, acquired in accordance with said web page acquisition requests, are formed into library files that, in accordance with said user profiles ~~web page transmission~~, are transmitted ~~to an information terminal device to the plurality of users; wherein multiple web page sources for at least one of the plurality of users are formed into a single library file which is stored in a server and is subsequently transmitted to said at least one of the plurality of users;~~

wherein, when a plurality of web page acquisition requests for a same web page source is received from the plurality of users, a single request to a web server is utilized according to the integrated list for obtaining a corresponding web page source for said plurality of requests such that the same web page source must be requested and obtained

Art Unit: 2457

12-11-'08 15:27 FROM-

412-741-9292

T-828 P017/017 F-961

Atty. Docket No. JP919990315US1
(590.048)

only once for the plurality of users, and said same web page source is transmitted to said
plurality of users in the form of a library file.

20. (Previously Presented) The web page acquisition service according to claim

1,

wherein, said at least one predetermined scheduling rule is dynamically updated
when a web page source is acquired.